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What is claimed is:

1. A method for diagnosing the presence of prostate cancer in a patient comprising:

(a) measuring levels of CSG in cells, tissues or bodily fluids in a patient; and

(b) comparing the measured levels of CSG with levels of CSG in cells, tissues or bodily fluids from a normal human control, wherein a change in measured levels of CSG in said patient versus normal human control is associated with the presence of prostate cancer.

2. A method of diagnosing metastases of prostate cancer in a patient comprising:

(a) identifying a patient having prostate cancer that is not known to have metastasized;

(b) measuring CSG levels in a sample of cells, tissues, or bodily fluid from said patient; and

(c) comparing the measured CSG levels with levels of CSG in cells, tissue, or bodily fluid of a normal human control, wherein an increase in measured CSG levels in the patient versus the normal human control is associated with a cancer which has metastasized.

3. A method of staging prostate cancer in a patient having prostate cancer comprising:

(a) identifying a patient having prostate cancer;

(b) measuring CSG levels in a sample of cells, tissue, or bodily fluid from said patient; and

(c) comparing measured CSG levels with levels of CSG in cells, tissues, or bodily fluid of a normal human control, wherein an increase in measured CSG levels in said patient

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versus the normal human control is associated with a cancer which is progressing and a decrease in the measured CSG levels is associated with a cancer which is regressing or in remission.

5 4. A method of monitoring prostate cancer in a patient for the onset of metastasis comprising:

(a) identifying a patient having prostate cancer that is not known to have metastasized;

10 (b) periodically measuring levels of CSG in samples of cells, tissues, or bodily fluid from said patient; and

15 (c) comparing the periodically measured CSG levels with levels of CSG in cells, tissues, or bodily fluid of a normal human control, wherein an increase in any one of the periodically measured CSG levels in the patient versus the normal human control is associated with a cancer which has metastasized.

5. A method of monitoring a change in stage of prostate cancer in a patient comprising:

(a) identifying a patient having prostate cancer;

20 (b) periodically measuring levels of CSG in cells, tissues, or bodily fluid from said patient; and

25 (c) comparing the periodically measured CSG levels with levels of CSG in cells, tissues, or bodily fluid of a normal human control, wherein an increase in any one of the periodically measured CSG levels in the patient versus the normal human control is associated with a cancer which is progressing in stage and a decrease is associated with a cancer which is regressing in stage or in remission.

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6. The method of claim 1, 2, 3, 4 or 5 wherein the CSG comprises SEQ ID NO:1 or SEQ ID NO:2.

8. A method of imaging prostate cancer in a patient
5 comprising administering to the patient an antibody of claim
7.

10. A method of treating prostate cancer in a patient
10 comprising administering to the patient an antibody of claim
7.

11. The method of claim 10 wherein the antibody is conjugated to a cytotoxic agent.

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